

WSP USA

Shaping communities throughout Tennessee

KEY STAFF

Transportation Planning

Jeanne Stevens, AICP
Nashville, Tennessee

Luke Sullivan, PE
Nashville, Tennessee

Brian Reynolds, PE, AICP
Nashville, Tennessee

Community Planning

Doug Delaney, AICP, PMP
Nashville, Tennessee

Robbie Hayes, AICP
Nashville, Tennessee

Traffic Engineering & Simulation

Lee Smith, PE
Nashville, Tennessee

Luke Sullivan, PE
Nashville, Tennessee

Jagan Kaja
Atlanta, Georgia

Transit Planning

Ken Liwag
Nashville, Tennessee

Tim Rosenberger, AICP
Cleveland, Ohio

Claire Brinkley, AICP, PE
Charlotte, North Carolina

Formerly
WSP | PARSONS BRINCKERHOFF



Crossville, TN

Service Areas

Pedestrian/Cyclist Plans

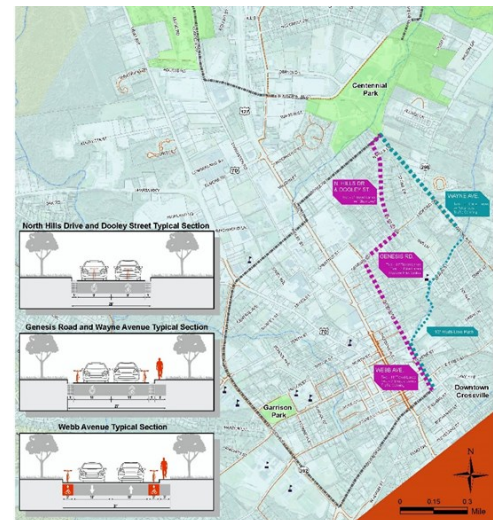
Transportation Systems Management & Operations

Corridor Planning

Long Range Transportation Plans

The City of Crossville selected WSP to develop recommendations to improve its downtown walkability, consider potential bicycle connections between downtown and the city's largest park, and plan future needs of the citywide traffic signal system.

WSP conducted a downtown sidewalk assessment and developed a list and cost estimates for recommended pedestrian enhancements. To further improve the downtown environment for pedestrians, WSP assisted the city in evaluating the potential for diverting heavy trucks to a route outside the downtown area. Traffic simulations were used to demonstrate that trucks could be diverted from Main Street without adding to their travel time or significantly impacting existing traffic flow.



WSP also evaluated several possible routes for bicyclists to travel between downtown and Centennial Park, including on-street options as well as a separate multi-use path.

To help the city plan for future traffic management, WSP reviewed Crossville's existing signal equipment, communications and timing plans and then prepared forecasts of future traffic based on the city's land use plan. A phased, 20-year capital plan was developed that will allow the city to gradually upgrade signal equipment and communications infrastructure, along with selected intersection improvements that will be needed as growth occurs.

Cookeville, TN

Service Areas

Corridor Planning

Transportation Systems Management & Operations

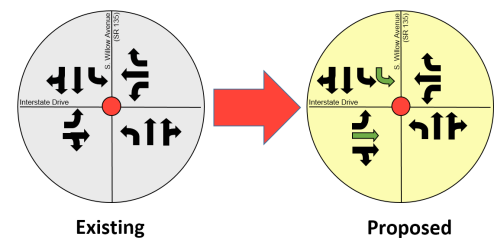
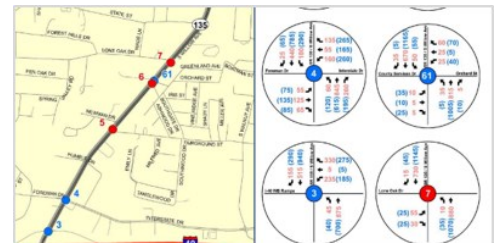
Access Management

Vehicular and Pedestrian Safety Planning

Long Range Transportation Plans

WSP recently completed a **corridor plan** and **citywide Major Street Plan update** for the City of Cookeville, funded by TDOT through a Community Transportation Planning Grant.

The City requested an analysis of existing and future traffic demand along three major corridors: State Routes 135, 136 and US 70 North. Each of these routes is experiencing growing traffic delays, including bottlenecks near Interstate 40. WSP developed a prioritized list of recommended improvements for each corridor, including projects to install new turn lanes at intersections, update signal timing and reconfigure locations of crosswalks and downtown parking.



These corridor-specific projects were integrated into the City's Major Street Plan, which was also updated by WSP as part of this project. WSP developed new traffic forecasts for each segment of the city's major roadways, then revised the MSP project list to add or delete projects based on the forecasted needs. Projects were prioritized over a 20-year period according to urgency (i.e. extent of traffic delay) and whether other improvements were planned for the same area, providing opportunity to save costs by coordinating work.



Tennessee Offices

Nashville

2100 West End Avenue
Suite 630
Nashville, Tennessee 37203

Chattanooga

707 Georgia Avenue
Suite 201
Chattanooga, Tennessee 37402

Contact

Brad S. Winkler, PE
Tennessee Area Manager
615.340.9190
brad.winkler@wsp.com

Jeanne Stevens, AICP
Planning Manager
615.340.9187
jeanne.stevens@wsp.com

Other Regional Offices

Atlanta, Georgia

Lexington, Kentucky

Charlotte, North Carolina

Raleigh, North Carolina

Charleston, South Carolina

St. Louis, Missouri

www.wsp-pb.com

Green Hills Plan

Nashville, TN

Service Areas

Pedestrian/Cyclist Plans

Streetscaping and Road Design Guidelines

Complete Streets Plan

Corridor Planning

WSP developed people-oriented transportation improvements for this busy commercial district to serve not only shoppers, but the residents of the surrounding neighborhoods.

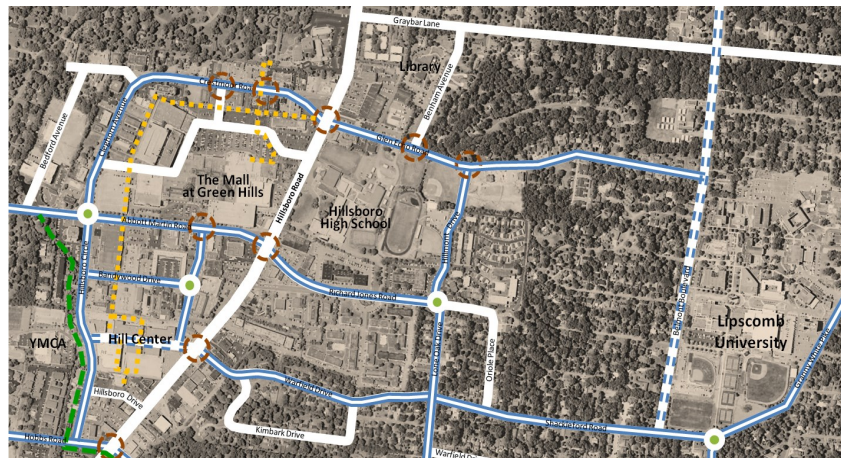
The project team included business owners, property owners, residents, TDOT and local government. They participated in developing a future land use scenario for the area which was used to project future traffic conditions.

Recommendations focused on five categories:

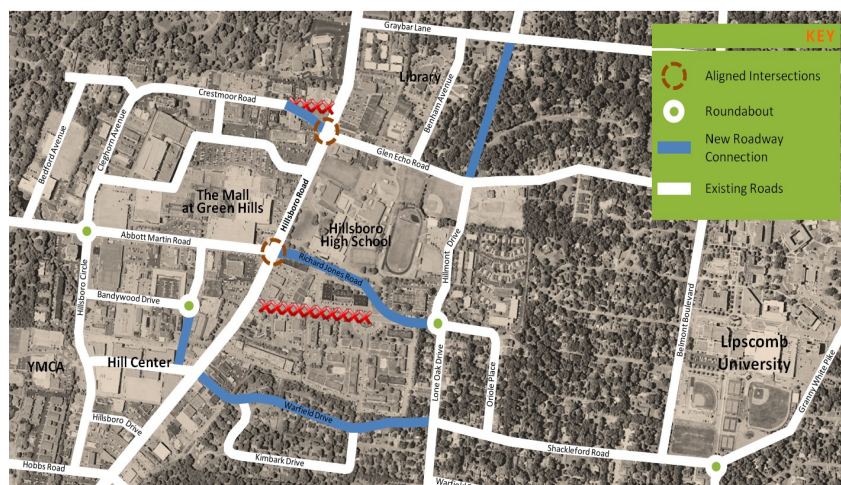
- 1) **Traffic and Roadway**
- 2) **Transit**
- 3) **Pedestrian and Bicycle**
- 4) **Access Management**
- 5) **Streetscape**



The plan included multiple streetscape designs to fit the various office, retail, residential and mixed use areas. It also developed district gateway and signage, pedestrian corridors between blocks, and a proposed pedestrian bridge over the arterial road to connect the mall and local high school.



Top photo: Through the creation of the Green Hills plan, the community developed a proposed bicycle and pedestrian network for residents to access shopping and other services without needing to rely on a car.



Bottom photo: The plan also established a vision for the area's roadway network, including realignment of two key intersections, extending certain roads to improve circulation, and the use of roundabouts.